

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

## Title of Invention

ALKYLATION CATALYST AND METHOD FOR MAKING  
ALKYLATED PHENOLS

Application Number :

Confirmation Number:

First Named Applicant: Hugo Ingelbrecht

Attorney Docket Number: 132401-1








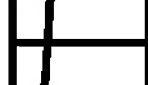


Art Unit:

Examiner:

Search string: ( 3446856 or 3974229 or 4041085 or 4048239 or 4554266 or 4547480 or 4554267  
or 4933509 or 6395871 or 4900708 or 20020128432 ).pn


## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3446856	1969-05-27	Hamilton, Jr.	A1	260	620
	2	3974229	1976-08-10	Van Sorge	A1	260	621 R
	3	4041085	1977-08-09	Frabetti, Jr.	A1	260	621 R
	4	4048239	1977-09-13	Smith	A1	260	624 C
	5	4554266	1985-11-19	Bennett et al.	A1	502	344
	6	4547480	1985-10-15	Bennett Jr. et al.	A1	502	159
	7	4554267	1985-11-19	Chambers et al.	A1	502	340
	8	4933509	1990-06-12	Warner	A1	568	804
	9	6395871	2002-05-28	Watson et al.	B1	528	489
	10	4900708	1990-02-13	Bennett et al.	A1	502	340

## US Published Applications

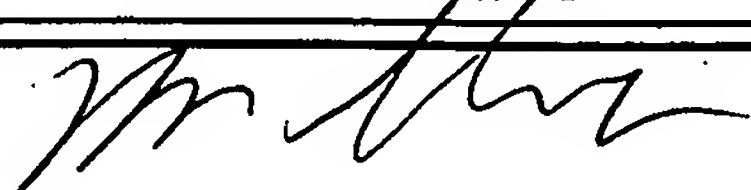
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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020128432	2002-09-12	Watson et al.	A1	528	489

## Signature

Examiner Name

Date



7/05

<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-left: 10px;"> <p><b>INFORMATION DISCLOSURE CITATION</b></p> <p><i>(Use several sheets if necessary)</i></p> </div> </div>				ATTY DOCKET NO. <b>132401-1</b>		SERIAL NO. <b>10/604,311</b>	
				Hugo Ingelbrecht, et al.			
				FILING <b>July 10, 2003</b>		GROUP	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<div style="font-size: 2em; margin-bottom: 10px;">M</div> <div style="font-size: 2em;">b</div>	3,446,856	5/27/69	Hamilton, Jr.				
	3,707,569	12/26/72	van Sorge				
	3,764,630	10/9/73	Van Sorge				
	3,790,641	2/5/74	Oshima, et al.				
	3,843,606	10/22/74	Van Sorge				
	3,873,628	3/25/75	Van Sorge				
	3,953,529	4/27/76	Yonemitsu, et al.				
	3,962,126	6/8/76	Pecak				
	3,968,172	7/6/76	Ichikawa, et al.				
	3,972,828	8/3/76	Van Sorge				
3,972,836	8/3/76	Van Sorge					

FOREIGN PATENT DOCUMENTS							
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<div style="font-size: 2em; margin-bottom: 10px;">M</div> <div style="font-size: 2em;">b</div>	<del>EP 0 102 493</del>	<del>20.07.83</del>	<del>Europe</del>				<input checked="" type="checkbox"/>
	EP 0 129 065	17.05.84	Europe				
	EP 0 987 220	17.09.98	Europe				
	<del>EP 0171792</del>	<del>19.02.86</del>	<del>Europe</del>				<input checked="" type="checkbox"/>
WO 84/01146	29.03.84	PCT					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

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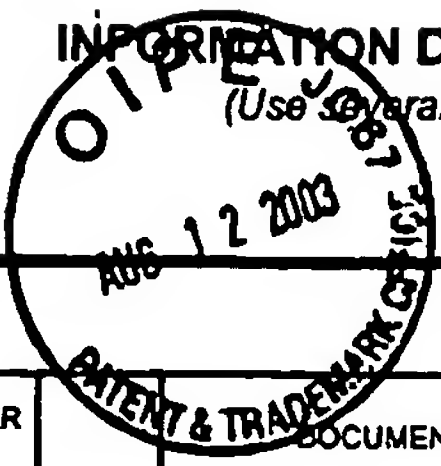
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
ms	3,974,229	8/10/76	Van Sorge				
	3,979,464	9/7/76	Leach				
	3,994,982	11/30/76	Leach				
	4,022,715	5/10/77	Bornfriend				
	4,022,843	5/10/77	Leach				
	4,024,195	5/17/77	Yonemitsu, et al.				
	4,041,085	8/9/77	Frabetti, Jr.				
	4,048,239	9/13/77	Smith				
	4,085,150	4/18/78	Smith				
	4,092,294	5/30/78	Bennett, Jr., et al.				
V	4,097,411	6/27/78	van Sorge				
<b>FOREIGN PATENT DOCUMENTS</b>							
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						YES	NO
W	WO01/64334	07.09.01	PCT				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
<b>EXAMINER</b>			<b>DATE CONSIDERED</b>				
ms			7/15				

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>MM</i>	4,126,750	11/21/78	Poe, et al.			
	4,128,728	12/5/78	Arnold, et al.			
	4,140,773	2/20/79	Stowell, et al.			
	4,165,439	8/21/79	Smith			
	4,179,411	12/18/79	Broersma, et al.			
	4,201,880	5/6/80	van Sorge			
	4,208,537	6/17/80	Kawamata, et al.			
	4,215,229	7/29/80	Greco			
	4,225,732	9/30/80	Dabrowski			
<i>MM</i>	4,227,023	10/7/80	Kawamata, et al.			
	4,227,024	10/7/80	Leach			

## FOREIGN PATENT DOCUMENTS

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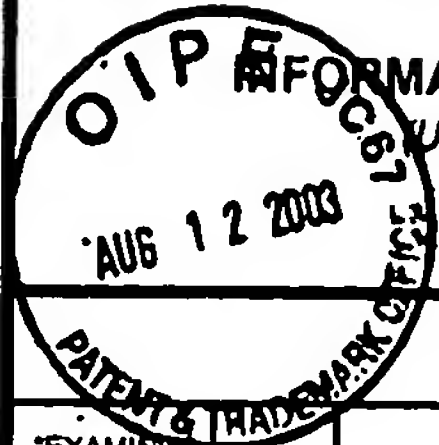

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	4,269,735	5/26/81	Leach			
<i>W</i>	4,283,574	8/11/81	Leach			
<i>W</i>	4,290,924	9/22/81	Leach			
<i>W</i>	4,322,566	3/30/82	Leach			
<i>W</i>	4,329,517	5/11/82	Taniguchi, et al.			
<i>W</i>	4,351,958	9/28/82	Takahata, et al.			
<i>W</i>	4,375,566	3/1/83	Kawamata, et al.			
<i>W</i>	4,386,266	5/31/83	Adey, et al.			
<i>W</i>	4,418,224	11/29/83	Bennett, et al.			
<i>W</i>	4,452,915	6/5/84	Dabrowski			
<i>W</i>	4,454,357	6/12/84	Inoue, et al.			

## FOREIGN PATENT DOCUMENTS

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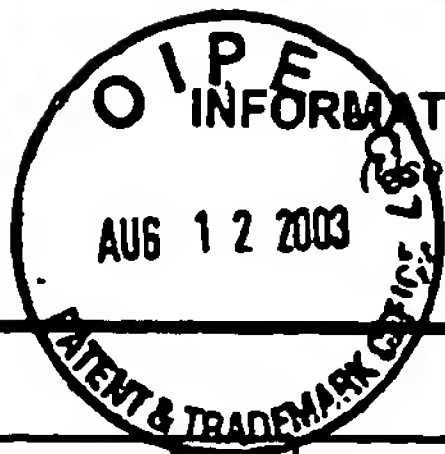
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>jm</i>	4,458,031	7/3/84	Battista, et al			
	4,460,702	7/17/84	Smith			
	4,471,149	9/11/84	Adey, et al			
	4,475,001	10/2/84	Leston			
	4,476,329	10/9/84	Chambers, et al.			
	4,482,758	11/13/84	Seig			
	4,517,389	5/14/85	Katsumata, et al.			
<i>AK</i>	4,528,407	7/9/85	Smith			
	4,547,480	10/15/85	Bennett, Jr. et al.			
	4,533,650	8/6/85	Courty, et al.			
<i>✓</i>	4,554,266	11/19/85	Bennett, et al.			

## FOREIGN PATENT DOCUMENTS

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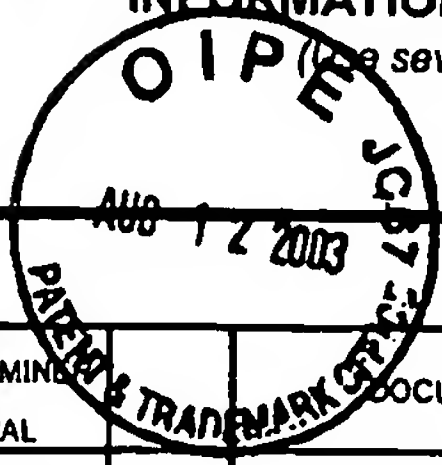

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	4,544,267	11/19/85	Chambers, et al.			
	4,560,810	12/24/85	Talley, et al.			
	4,572,778	2/25/86	Ward			
	4,590,307	5/20/86	Bennett, Jr. et al.			
	4,605,766	8/12/86	Hargis			
	4,644,086	2/17/87	Voges, et al.			
	4,677,089	1/30/87	Bennett, Jr. et al.			
	4,720,478	1/19/88	Voges, et al.			
	4,753,913	6/28/88	Lenz, et al.			
	4,814,083	3/21/89	Ford, et al.			
	4,851,591	7/25/89	Battista, et al.			

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						YES	NO

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<div style="position: relative; height: 100px;"> <span style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border-left: 1px solid black; border-right: 1px solid black;"></span> </div>	4,876,398	10/24/89	Lin, et al.				
	4,900,708	2/13/90	Bennett, et al.				
	4,912,264	3/27/90	Takeshita, et al				
	4,933,509	6/12/90	Warner				
	4,954,475	9/4/90	Bennett, Jr. et al.				
	4,969,989	11/13/90	Simpson				
	5,059,727	10/22/91	Ito				
	5,128,304	7/7/92	Ito				
	5,097,079	3/17/92	Bennett, Jr. et al.				
	5,175,375	12/29/92	Chang, et al.				
5,227,342	7/13/93	Anderson, et al.					

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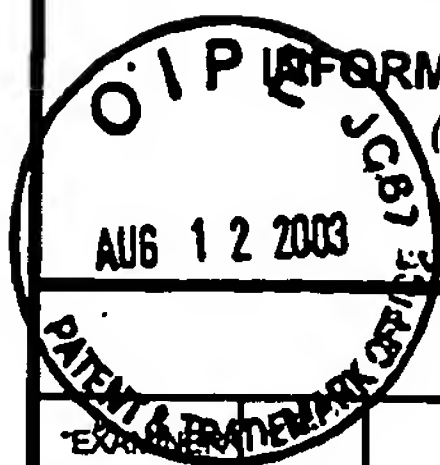
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	5,245,089	9/14/93	Irick, Jr. et al.			
	5,321,105	7/14/94	Rekers, et al.			
	5,345,005	9/6/94	Thakur, et al.			
	5,371,306	12/6/94	Woo, et al.			
	5,488,173	1/30/96	Wang			
	5,622,684	4/22/97	Pinnavaia, et al.			
	5,672,558	9/30/97	White, et al.			
	5,847,237	12/8/98	Yago, et al.			
	5,986,138	11/16/99	Satyavathi, et al.			
	6,049,008	4/11/00	Roberts, et al.			
<i>V</i>	6,054,627	4/25/00	Thakur, et al.			

## FOREIGN PATENT DOCUMENTS

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U.S. PATENT DOCUMENTS							
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	6,203,774	3/20/01	Han, et al.				
	6,261,987	7/17/01	Watson, et al.				
	6,291,724	9/18/01	Braat				
	6,294,499	9/25/01	Watson, et al.				
	6,395,871	5/28/02	Watson, et al.				
	6,492,300	12/10/02	Watson, et al.				
	6,037,295	3/14/00	Satyavathi, et. al.				

FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
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